
AMI® BIOS Setup

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The mainboard uses AMI® BIOS ROM that provides a Setup utility for users to modify the basic system configuration. The information is stored in a battery-backed CMOS RAM so it retains the Setup information when the power is turned off.

This chapter provides you with the overview of the BIOS Setup program. It contains the following topics:

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Note: For detailed description of BIOS settings, refer to K7T266 Pro (MS-6380) Manual in the provided CD.

Entering Setup

Power on the computer and the system will start POST (Power On Self Test) process. When the message below appears on the screen, press key to enter Setup.

Hit DEL if you want to run SETUP

If the message disappears before you respond and you still wish to enter Setup, restart the system by turning it OFF and On or pressing the RESET button. You may also restart the system by simultaneously pressing <Ctrl>, <Alt>, and <Delete> keys.

Control Keys

<↑>	Move to the previous item
<↓>	Move to the next item
<↔>	Move to the item in the left hand
<→>	Move to the item in the right hand
<Enter>	Select the item
<Esc>	Jumps to the Exit menu or returns to the main menu from a submenu
<+/PU>	Increase the numeric value or make changes
<-/PD>	Decrease the numeric value or make changes
<F5>	Restore the previous CMOS value from CMOS, only for Option Page Setup Menu
<F6>	Load the default CMOS value from Fail-Safe default table, only for Option Page Setup Menu
<F7>	Load Optimized defaults
<F10>	Save all the CMOS changes and exit

Getting Help

After entering the Setup utility, the first screen you see is the Main Menu.

Main Menu

The main menu displays the setup categories the BIOS supplies. You can use the arrow keys ($\uparrow\downarrow$) to select the item. The on-line description for the selected setup category is displayed on the bottom of the screen.

Default Settings

The BIOS setup program contains two kinds of default settings: the Optimized and Performance defaults (High System Performance). Optimized defaults provide optimum and stable performance settings for all devices and the system. (The “default” value described in the chapter usually refers to the Optimized defaults unless otherwise specified.) Performance defaults provide the best system performance but may affect the system stability.

The Main Menu

Once you enter AMIBIOS SIMPLE SETUP UTILITY, the Main Menu will appear on the screen. The Main Menu displays twelve configurable functions and two exit choices. Use arrow keys to move among the items and press <Enter> to enter the sub-menu.

AMIBIOS SIMPLE SETUP UTILITY - VERSION 1.44 (C)2001 American Megatrends, Inc. All Rights Reserved	
Standard CMOS Features	High System Performance
Advanced BIOS Features	Load Optimized Defaults
Advanced Chipset Features	Supervisor Password
Power Management Setup	User Password
PNP/PCI Configurations	IDE HDD AUTO Detection
Integrated Peripherals	Save & Exit Setup
Hardware Monitor Setup	Exit Without Saving
ESC : Quit	↑↓←→ : Select Item
F10 : Save & Exit	
Time, Date, Hard Disk Type...	

Standard CMOS Features

The items inside STANDARD CMOS SETUP menu are divided into 9 categories. Each category includes none, one or more setup items. Use the arrow keys to highlight the item you want to modify and use the <PgUp> or <PgDn> keys to switch to the value you prefer.

AMIBIOS SETUP - STANDARD CMOS SETUP							
(C)2001 American Megatrends, Inc. All Rights Reserved							
Date (mm/dd/yyyy) : Tue Apr 17, 2001							
Time (hh/mm/ss) : 00:00:00							
TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE
Pri Master	: Auto						
Pri Slave	: Auto						
Sec Master	: Auto						
Sec Slave	: Auto						
Floppy Drive A : 1.44 MB 3½ Floppy Drive B : Not Installed Boot Sector Virus Protection Disabled				Base Memory : 640 Kb Other Memory : 384 Kb Extended Memory : 127 Mb Total Memory : 128 Mb			
Month: Jan - Dec Day: 01 - 31 Year: 1901 - 2099				ESC : Exit ↑ ↓ : Select Item PU/PD/+/- : Modify (Shift) F2 : Color			

Advanced BIOS Features

AMIBIOS SETUP - BIOS FEATURES SETUP (C)2001 American Megatrends, Inc. All Rights Reserved	
Quick Boot	:Enabled
1st Boot Device	:Floppy
2nd Boot Device	:IDE-0
3rd Boot Device	:CDROM
Try Other Boot Devices	:Yes
Initial Display Mode	:BIOS
S.M.A.R.T. for Hard Disks	:Disabled
BootUp Num-Lock	:On
Floppy Drive Swap	:Disabled
Floppy Drive Seek	:Disabled
Primary Display	:VGA/EGA
Password Check	:Setup
Boot To OS/2	:No
L1 Cache	:Enabled
L2 Cache	:Enabled
System BIOS Cacheable	:Enabled
C000, 32k Shadow	:Cached
ESC : Quit ↑↓←→ : Select Item F1 : Help PU/PD/+/- : Modify F5 : Load Previous Values F6 : Load Fail-Safe Defaults F7 : Load Optimized Defaults	

Advanced Chipset Features

AMIBIOS SETUP - CHIPSET FEATURES SETUP (C)2001 American Megatrends, Inc. All Rights Reserved	
Configure SDRAM Timing by	:SPD
SDRAM Frequency	:HCLK
SDRAM CAS# Latency	:2.5
SDRAM Bank Interleave	:Disabled
SDRAM 1T Command	:Disabled
AGP Mode	:Auto
AGP Comp. Driving	:Auto
Manual AGP Comp. Driving	:CB
AGP Fast Write	:Disabled
AGP Read Synchronization	:Disabled
AGP Aperture Size	:64MB
AGP Master 1 W/S Write	:Disabled
AGP Master 1 W/S Read	:Disabled
PCI Master Read Caching	:Disabled
Search for MDA Resources	:Yes
PCI Delay Transaction	:Disabled
BIOS Protection	:Enabled
ESC : Quit ↑↓←→ : Select Item F1 : Help PU/PD/+/- : Modify F5 : Load Previous Values F6 : Load Fail-Safe Defaults F7 : Load Optimized Defaults	



Note: Change these settings only if you are familiar with the chipset.

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Power Management Setup

AMIBIOS SETUP-POWER MANAGEMENT SETUP (C)2001 American Megatrends, Inc. All Rights Reserved			
IPCA Function	:Yes	Wake Up On Ring/LAN	:Enabled
ACPI Standby State	:S1/POS	Wake Up On PME#	:Enabled
USB Wakeup From S3	:Disabled	Resume By Alarm	:Disabled
Power Management/APM	:Enabled	Alarm Date	:15
Green PC LED Status	:Dual Color	Alarm Hour	:12
Suspend Time Out (Minute)	:Disabled	Alarm Minute	:30
Display Activity	:Ignore	Alarm Second	:30
IRQ3	:Monitor		
IRQ4	:Monitor		
IRQ5	:Ignore		
IRQ7	:Monitor		
IRQ9	:Ignore		
IRQ10	:Ignore		
IRQ11	:Ignore		
IRQ13	:Ignore		
IRQ14	:Monitor		
IRQ15	:Ignore	ESC : Quit $\uparrow\downarrow\leftarrow\rightarrow$: Select Item	
CPU Critical Temperature	:Disabled	F1 : Help PU/PD/+/- : Modify	
Power Button Function	:Suspend	F5 : Load Previous Values	
Restore on AC/Power Loss	:Last State	F6 : Load Fail-Safe Defaults	
		F7 : Load Optimized Defaults	

PnP/PCI Configurations

This section describes configuring the PCI bus system and PnP (Plug & Play) feature. PCI, or Personal Computer Interconnect, is a system which allows I/O devices to operate at speeds nearing the speed the CPU itself uses when communicating with its special components. This section covers some very technical items and it is strongly recommended that only experienced users should make any changes to the default settings.

AMIBIOS SETUP-PNP/PCI CONFIGURATION (C)2001 American Megatrends, Inc. All Rights Reserved	
Plug and Play Aware O/S	:No
Clear NVRAM	:No
Primary Graphics Adapter	:PCI
DMA Channel 0	:PnP
DMA Channel 1	:PnP
DMA Channel 3	:PnP
DMA Channel 5	:PnP
DMA Channel 6	:PnP
DMA Channel 7	:PnP
IRQ3	:PCI/PnP
IRQ4	:PCI/PnP
IRQ5	:PCI/PnP
IRQ7	:PCI/PnP
IRQ9	:PCI/PnP
IRQ10	:PCI/PnP
IRQ11	:PCI/PnP
IRQ14	:PCI/PnP
IRQ15	:PCI/PnP
ESC : Quit $\uparrow\downarrow\leftarrow\rightarrow$: Select Item F1 : Help PU/PD/+/- : Modify F5 : Load Previous Values F6 : Load Fail-Safe Defaults F7 : Load Optimized Defaults	

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Integrated Peripherals

AMIBIOS SETUP-INTEGRATED PERIPHERALS (C)2001 American Megatrends, Inc. All Rights Reserved			
FDC Function	:Auto	USB Controller	:All USB Port
Serial Port1	:Auto	USB Legacy Support	:Disabled
Serial Port2	:Auto	USB Port 64/60 Emulation	:Disabled
Serial Port2 Mode	:Normal		
IR Duplex Mode	:Half Duplex		
IR Pin Select	:IRRX/IRTX		
Parallel Port	:Auto		
Parallel Port Mode	:ECP		
EPP Version	:N/A		
Parallel Port IRQ	:Auto		
Parallel Port DMA	:Auto		
OnBoard Midi Port	:Disabled		
Midi IRQ Select	:5		
OnBoard Game Port	:200		
Keyboard PowerOn Function	:Disabled		
Specific Key for PowerOn	:N/A	ESC : Quit	↑↓↔ : Select Item
Mouse PowerOn Function	:Disabled	F1 : Help	PU/PD/+/-.: Modify
IDE Function	:Both	F5 : Load Previous Values	
OnChip AC'97 Audio	:Enabled	F6 : Load Fail-Safe Defaults	
OnChip MC'97 Modem	:Auto	F7 : Load Optimized Defaults	

Hardware Monitor Setup

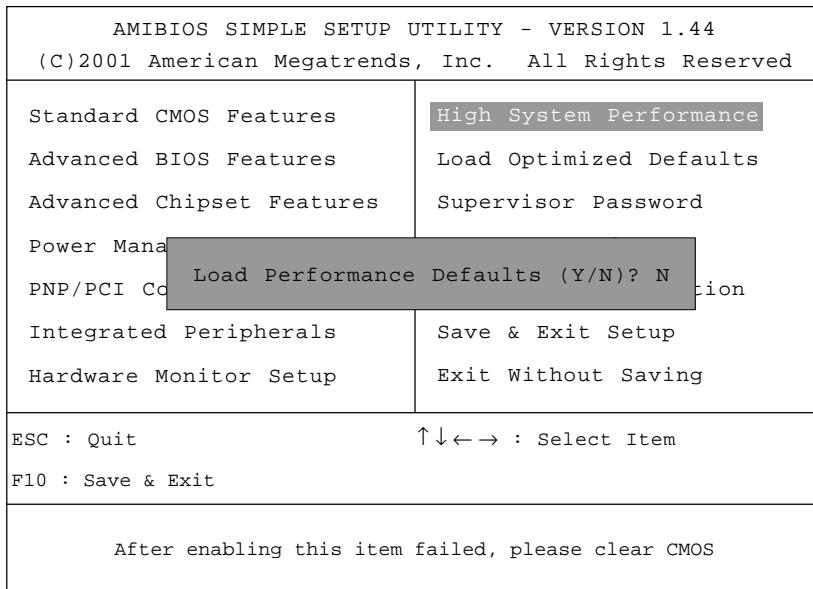
This section describes how to set the Chassis Intrusion feature, CPU FSB frequency, monitor the current hardware status including CPU/system temperatures, CPU/System Fan speeds, Vcore etc. Monitor function is available only if there is hardware monitoring mechanism onboard.

AMIBIOS SETUP - Hardware Monitor Setup (C)2001 American Megatrends, Inc. All Rights Reserved	
Spread Spectrum	±0.25%
CPU FSB Clock	100MHz
CPU FSB/PCI Overclocking	H/W
Chassis Intrusion	Disabled
CPU Temperature	
System Temperature	
CPU Fan Speed	
System Fan Speed	
Power Fan Speed	
Vcore	
VTT	
VIO	
+ 5.0V	
+12.0V	
-12.0V	
- 5.0V	
	ESC : Quit ↑↓←→ : Select Item F1 : Help PU/PD/+/- : Modify F5 : Load Previous Values F6 : Load Fail-Safe Defaults F7 : Load Optimized Defaults

Load Performance/Optimized Defaults

The two options on the main menu allow users to restore all of the BIOS settings to the default Performance or Optimized defaults. The Performance Defaults are the default values set by the mainboard manufacturer for the best system performance but probably will cause a stability issue. The Optimized Defaults are the default values also set by the mainboard manufacturer for both optimized and stable performance of the mainboard.

When you select High System Performance, a message as below appears:

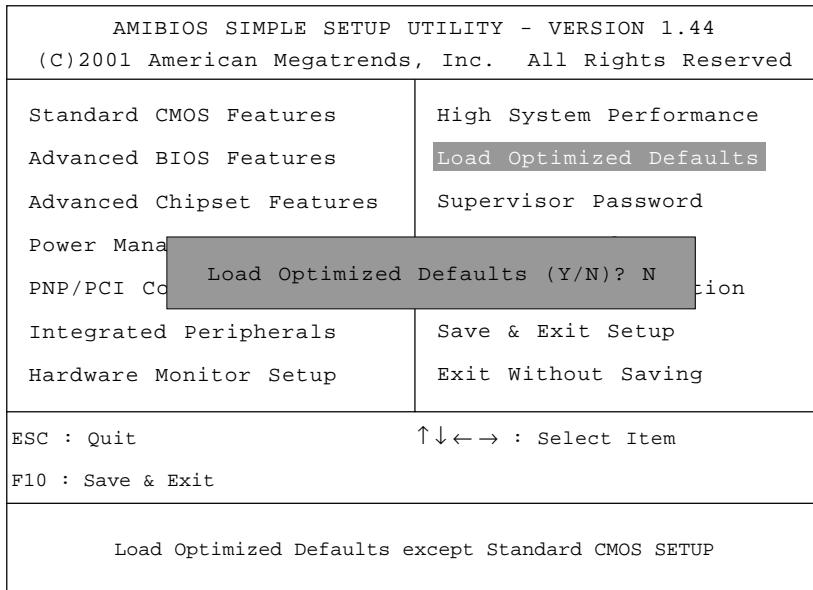


Pressing ‘Y’ loads the default BIOS values that enable the best system performance (better than the Optimized Defaults) but may result in the instability of system.



WARNING! The option is for powerful or overclocking users only. If the system crashes or hangs after enabling the feature, please CLEAR CMOS DATA to resolve the problem. For more information, refer to Clear CMOS Jumper:JBAT1 on page 1-5.

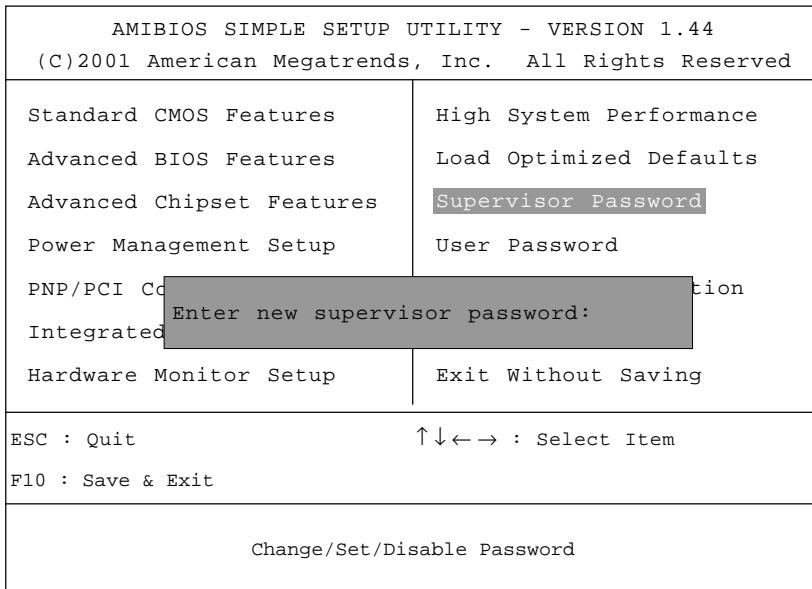
When you select Load Optimized Defaults, a message as below appears:



Pressing 'Y' loads the default values that are factory settings for optimal and stable system performance.

Supervisor/User Password

When you select this function, a message as below will appear on the screen:



Type the password, up to six characters in length, and press <Enter>. The password typed now will clear any previously set password from CMOS memory. You will be prompted to confirm the password. Retype the password and press <Enter>. You may also press <Esc> to abort the selection and not enter a password.

To clear a set password, just press <Enter> when you are prompted to enter the password. A message will show up confirming the password will be disabled. Once the password is disabled, the system will boot and you can enter Setup without entering any password.

When a password has been set, you will be prompted to enter it every time you try to enter Setup. This prevents an unauthorized person from changing any part of your system configuration.

Additionally, when a password is enabled, you can also have AMIBIOS to request a password each time the system is booted. This would prevent unauthorized use of your computer. The setting to determine when the password prompt is required is the PASSWORD CHECK option of the BIOS FEATURES SETUP menu. If the PASSWORD CHECK option is set to *Always*, the password is required both at boot and at entry to Setup. If set to *Setup*, password prompt only occurs when you try to enter Setup.

About Supervisor Password & User Password:

Supervisor password : Can enter and change the settings of the setup menu.

User password: Can only enter but do not have the right to change the settings of the setup menu.

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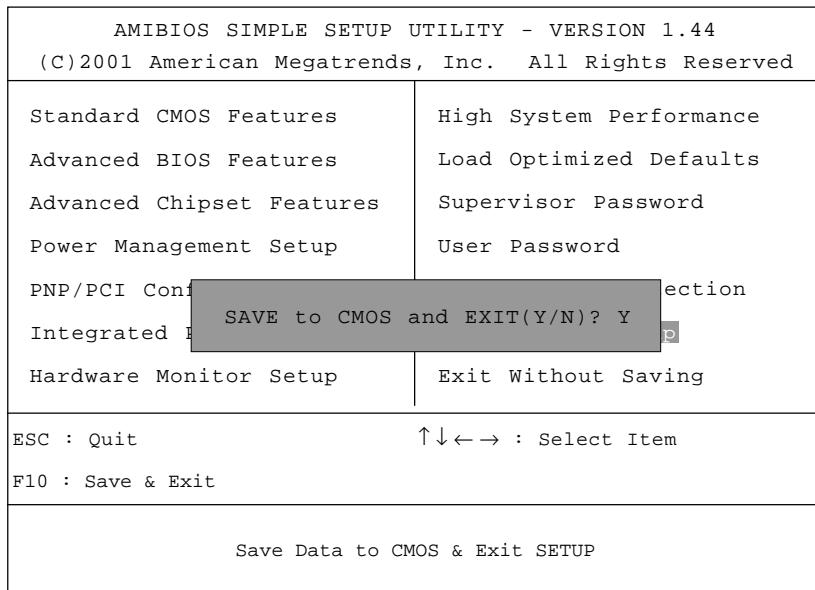
IDE HDD AUTO Detection

You can use this utility to AUTOMATICALLY detect the characteristics of most hard drives.

AMIBIOS SETUP - STANDARD CMOS SETUP (C)2001 American Megatrends, Inc. All Rights Reserved								
	TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE
Pri Master	: Auto							
Pri Slave	: Auto							
Sec Master	: Auto							
Sec Slave	: Auto							
Floppy Drive A	: 1.44 MB 3½							
Floppy Drive B	: Not Installed							
Boot Sector Virus Protection	Disabled							
				Base Memory : 640 Kb	Other Memory : 384 Kb	Extended Memory : 127 Mb	Total Memory : 128 Mb	
Detecting drive parameters:				ESC : Exit				
Press ESC to abort				↑ ↓ : Select Item				
				PU/PD/+/- : Modify				
				(Shift) F2 : Color				

Save & Exit Setup

When you want to quit the Setup menu, you can select this option to save the changes and quit. A message as below will appear on the screen.

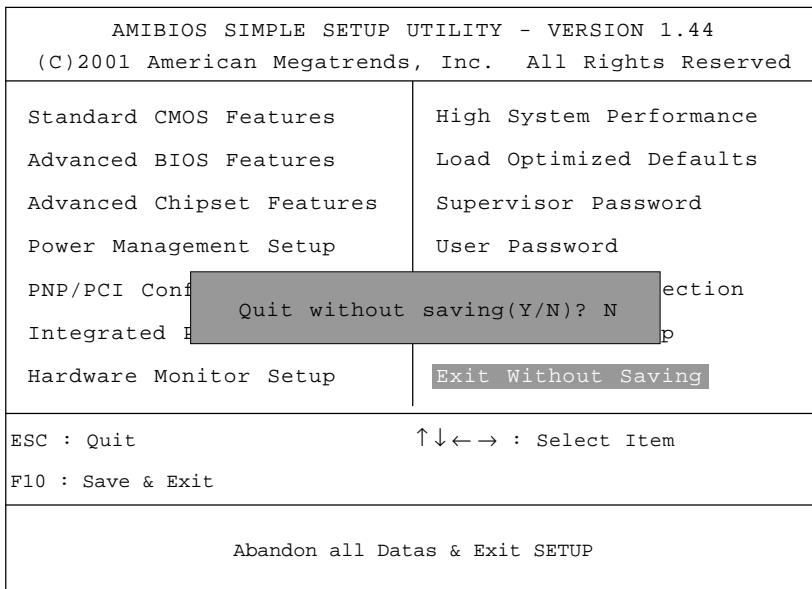


Typing *Y* will allow you to quit the Setup Utility and save the user setup changes to RTC CMOS.

Typing *N* will return to the Setup Utility.

Exit Without Saving

When you want to quit the Setup menu, you can select this option to abandon the changes. A message as below will appear on the screen.



Typing *Y* will allow you to quit the Setup Utility without saving any changes to RTC CMOS.

Typing *N* will return to the Setup Utility.